Page 1 of 5 :702 111

DATE: 06/28/2002

TIME: 11:17:26



OIPE

Input Set : A:\6308usdl.txt

RAW SEQUENCE LISTING

Output Set: N:\CRF3\06282002\1923830B.raw

PATENT APPLICATION: US/09/923,830B

```
4 <110 - APPLICANT: Abbott Laboratories
         Nienaber, Vicki L.
 ń
         Greer, Jonathan
         Abad-Zapatero, Celerino
 Я
         Norbeck, Daniel W.
10 -: 120 > TITLE OF INVENTION: LIGAND SCREENING AND DESIGN BY X-RAY
        CRYSTALLOGRAPHY
13 -: 130 > FILE FEFERENCE: 6308.US.D1
15 -: 140 - CURRENT APPLICATION NUMBER: 09/923,830B
16 - 141 - CURRENT FILING DATE: 2001-08-07
18 <150 > PRIOR APPLICATION NUMBER: US 09/263,904
19 -: 151 > PRIOR FILING DATE: 1999-03-05
21 <150> PRIOR APPLICATION NUMBER: US 09/036,184
22 <151 - PRIOR FILING DATE: 1998-03-06
24 \cdot (160 \circ \text{NUMBER OF SEQ ID NOS: } 14
26 \cdot 170 \cdot \text{SOFTWARE}: FastSEQ for Windows Version 4.0
28 <210 - SEQ ID NO: 1
29 - 211 - LENGTH: 51
30 - 2112 - TYPE: DNA
31 - 213 - ORGANISM: Artificial Sequence
33 <220% PEATURE:
34 <223> OTHER INFORMATION: Primer
36 <4005 SEQUENCE: 1
                                                                                51
37 attaatqteq aetaaqqaqq tqatetaatq ttaaaattte agtgtggeea a
39 -1210% SEQ ID NO: 2
40 <2115 LENGTH: 57
41 -12125 TYPE: DNA
42 - (213) - ORGANISM: Artificial Sequence
44 - 1220 - FEATURE
45 - 223: OTHER INFORMATION: Primer
47 <4000 SEQUENCE: 2
                                                                                57
48 attaataage titteagaggg ceaggeeatt etetteettg gigtgactee igateea
50 \cdot .210 > SEQ ID NO: 3
51 <211> LENGTH: 47
52 - 12122 TYPE: DNA
53 (213) ORGANISM Artificial Sequence
55 KILOW FEATURE
56 (223) OTHER INFORMATION: Primer
58 4400: SEQUENCE: 3
                                                                                47
54 attaattgcg cagceateec ggantataca gaccategee etgecet
61 K210 SEQ ID NO. 4
62 + 211 - LENGTH: 46
```

63 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/923,830B

DATE: 06/28/2002 IIME: 11:17:26

Input Set : A:\6308usdl.txt

Output Set: N:\CRF3\06282002\I923830B.raw

64 <213 ORGANISM: Artificial Sequence 66 <220 - FEATURE 67 (223 - OTHER INFORMATION: Primer 69 <400 · SEQUENCE: 4 46 70 aftentoago tgotooggat agagatagto ggtagactgo totttt "2 $<210 \times SEQ$ ID NO: 5 73 H211: LENGTH: 28 74 HULL TYPE: DNA 75 (213) ORGANISM: Artificial Sequence 77 H220 - PEATURE 78 - 323 - OTHER INFORMATION: Primer 80 - 400 - SEQUENCE: 5 28 81 attaatcago tgaaaatgac tgttgtga 83 -:210> SEQ ID NO: 6 84 -:211 LENGTH: 51 85 -12121/ TYPE: DNA 86 <2135 ORGANISM: Artificial Sequence 88 -22200 FEATURE: 89 <2230 OTHER INFORMATION: Primer 91 -: 400 > SEQUENCE: 6 51 92 attaatqteq actaaqqagq tgatetaatq ttaaaattte agtgtqgeea a 94 -12105 SEQ ID NO: 7 95 :211> LENGTH: 37 96 KU125 TYPE: DNA 97 - 213 > ORGANISM: Artificial Sequence 99 -(220> FEATURE: 100 <223 > OTHER INFORMATION: Primer 102 <400 > SEQUENCE: 7 37 103 attaatgeta geetegagee accatgagag ecetget 105 <210> SEQ ID NO: 8 106 -(211> LENGTH: 42 107 - 1212% TYPE: DNA 108 - 213 - ORGANISM: Artificial Sequence 110 < 2205 FEATURE: 111 - (223) OTHER INFORMATION: Primer 113 -: 400 - SEQUENCE: 8 42 114 attaatgeta geetegagte aettgttgtg aetgeggate ca 116 <2100 SEQ ID NO: 9 117 -02115 LENGTH: 44 118 - 212> TYPE: DNA 119 - 213> ORGANISM: Artificial Sequence 121 - 1220: FEATURE: 122 - 223: OTHER INFOFMATION: Primer 124 -: 400: SEQUENCE: 9 125 gqtqqtgaat totoocccaa taatgcottt ggagtogoto acga 44 127 -: 210 - SEQ ID NO: 10

128 - 2110 LENGTH: 111 129 - 2120 TYPE: DNA

130 <213> ORGANISM. Pichia Pastoris

RAW SEQUENCE LISTING

DATE: 06/28/2002 TIME: 11:17:26

PATENT APPLICATION: US/09/923,830B

Input Set : A:\6308usdl.txt

Output Set: N:\CRF3\06282002\I923830B.raw

132 <400% SEQUENCE: 10 133 atditictede caattitigte ettiquaaatt attitagett tiggetaetit geaatetigte 134 tiegeteage eagitatetig eactacegit gigteegetig eegagggate e 136 <210 - SEQ ID NO: 11 13% <211 - LENGTH: 22 138 <212 - TYPE: DNA 139 <213 - ORGANISM: Artificial Sequence	60 111
141 - 220 - FEATURE: 142 - 3223 - OTHER INFORMATION: Forward Primer 144 - 3400 - SEQUENCE: 11	
145 gaaactteca aaagtegeea ta 147 (210% SEQ ID NO: 12	22
148	
152 -(220) FEATURE: 153 -(223 - OTHER INFORMATION: Reverse Primer	
155 k400% SEQUENCE: 12 156 attaatgaat teetegageg gteegggate eeteggeage ggaaccaacg gtagtgeaga 157 taactggetg agegaagaca gattgeaaag ta 159 k210% SEQ ID NO: 13	60 92
160 H211> LENGTH: 46 161 H212> TYPE: DNA 162 H213> ORGANISM: Artificial Sequence	
164 < 2200 FEATURE: 165 < 2235 OTHER INFORMATION: Primer	
167 - 4005 SEQUENCE: 13 168 attaatggat cettggacaa gaggattatt gggggagaat teacca 170 <2105 SEQ ID NO: 14	46
171 -2118 LENGTH: 47 172 -2128 TYPE: DNA 173 -213> ORGANISM: Artificial Sequence	
175 - 1220 PEATURE: 176 - 1223 OTHER INFORMATION: Primer 178 - 1400 SEQUENCE: 14	
179 attaatotog agoggtoogt cacttggtgt gactgogaat ocagggt	4 ?

VERIFICATION SUMMARY

DATE: 06/28/2002 TIME: 11:17:27

PATENI APPLICATION: US/09/923,830B

Input Set : A:\6308usdl.txt

Output Set: N:\CRF3\06282002\I923830B.raw